

Claims:

1. A method in reeling up, where a paper web is continuously reeled into reels around rotating reeling cores in such a manner that
- 5 - before reel change a new, empty reeling core (5) is brought to the change station into a change connection with the paper web (W) going to the old reel (R),
 - when the old reel (R) is full, the web is changed in a change event to travel to the periphery of the new reeling core (5) and primary reeling
 - 10 - is started, where the web is guided around the new reeling core,
 - in the primary reeling the web is guided to form a reel around the reeling core (5) through a reeling nip between the loop of an endless supporting member (1) and the reeling core,
 - from the primary reeling a change is made to secondary reeling,
 - 15 - where a portion of the supporting member (1) carrying the web brings the web to the reel, and the web moves over to the reel in a reeling nip (N) between said portion and the outer periphery of the reel,
 - during the secondary reeling at least in some stage the reeling core
 - 20 (5) is transferred in relation to the loop of the supporting member (1) according to the increase of the diameter of the reel (R) in such a manner that the position of said reeling nip (N) moves forward on the web-carrying portion of the endless supporting member (1) in the travel direction of said portion,
 - 25 **characterized** in that a first guide roll (2) of the web-carrying portion of the loop of the endless supporting member (1) is transferred in the direction of the periphery of the reeling core (5) so that the distance of the reeling nip (N1) located between the reeling core (5) and the loop of the supporting member (1) from the first guide roll (2) changes in the
 - 30 primary reeling.
2. The method according to claim 1, **characterized** in that the guide roll (2) is transferred during primary reeling in the direction of the periphery of the reeling core (5) against the incoming direction of the
- 35 paper web (W) so that the distance of the reeling nip (N1) from the first guide roll (2) increases.

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3. The method according to claim 2, **characterized** in that
- in a first primary reeling stage, the reel forming around the reeling core (5) is against the supporting member (1) at a location where the supporting member is over the first guide roll (2), and
 - 5 - in a second primary reeling stage, the first guide roll (2) is transferred so that the reel comes more against the free portion of the supporting member (1), which immediately follows the first guide roll (2).
- 10 4. The method according to any of the preceding claims, **characterized** in that the reeling core (5) is in stationary position during primary reeling.
- 15 5. The method according to any of the preceding claims, **characterized** in that the new reeling core (5) is brought to the change station against the loop of the supporting member (1) with a substantially vertical linear movement.
- 20 6. The method according to any of the preceding claims, **characterized** in that the first guide roll (2) and a second guide roll (3) following it in the travel direction of the supporting member (1) are transferred in such a manner the position of the loop of the supporting member (1) changes.
- 25 7. The method according to claim 6, **characterized** in that in the transfer the movements of the guide rolls (2, 3) are determined according to a body connecting the rolls.
- 30 8. The method according to any of the preceding claims 1 to 6, **characterized** in that the guide rolls (2, 3) are transferred independently.
- 35 9. The method according to any of the preceding claims 1 to 5, **characterized** in that the first guide roll (2) is transferred within the loop of the supporting member (1).

10. A reel-up, which is arranged to continuously reel a paper web into reels around rotating reeling cores, comprising

- 5 - a transfer device (7) for transferring the reeling core (5) and the reel (R) forming around it during secondary reeling, where the paper web (W) is guided continuously to the reel via a reeling nip (N),
- a device for transferring a new empty reeling core (5) to a change station, where the paper web (W) guided to the reel (R) in the secondary reeling is changed to travel around the new reeling core (5),
- 10 - a device for keeping the new reeling core (5) in a primary reeling station where the paper web is guided around the new reeling core (5) through a the reeling nip (N1),
- a loop formed by an endless supporting member (1), where there is a web-carrying portion, which forms a reeling nip (N) in the
- 15 secondary reeling, the transfer device (7) being arranged to transfer the reel in the secondary reeling so that said reeling nip (N) moves in the travel direction of the web-carrying portion,
- a first guide roll (2) inside the loop, which roll is located in the travel direction of the supporting member (1) in the beginning of the web-
- 20 carrying portion forming the reeling nip (N),
- characterized** in that said first guide roll (2) is arranged movable in the direction of the periphery of the reeling core (5) in the primary reeling station so that the distance of the reeling nip (N1) located between the
- 25 reeling core (5) and the loop of the supporting member (1) from the first guide roll (2) changes.

11. The reel-up according to claim 10, **characterized** in that the axis of the first guide roll (2) is movable linearly at least in the machine

12. The reel-up according to claim 11, **characterized** in that the axis of the first guide roll (2) is movable linearly both in the machine direction and in the height direction with transfer movements independent of each other.

13. The reel-up according to any of the claims 10 to 13, **characterized** in that the change station and the primary reeling station are the same

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and implemented by a primary reeling device (8), which is arranged to keep the new reeling core (5) in the change station and in the primary reeling station.

- 5 14. The reel-up according to claim 13, **characterized** in that the primary reeling device (8) is arranged movable substantially in the vertical direction on the frame of the reel-up by means of linear guides.